

## **AVS/SEM Sample Results Summary**

**Client:** FOSTER WHEELER

**Project:** ROXANNA MARSH

**SDG:** 920839

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## Case Narrative

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Client FOSTER WHEELER  
Project Name ROXANNA MARSH  
Project Number 1980.0208.0100  
SDG 920839  
Fraction METALS - ANS/SEM

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Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-001	FW-RM-15-SS	3/19/2002	3/21/2002	SOIL
920839-002	FW-RM-10-SS	3/19/2002	3/21/2002	SOIL
920839-003	FW-RM-12-SS	3/19/2002	3/21/2002	SOIL
920839-004	FW-RM-16-SS	3/19/2002	3/21/2002	SOIL
920839-005	FW-RM-02-SS	3/19/2002	3/21/2002	SOIL
920839-006	FW-RM-06-SS	3/19/2002	3/21/2002	SOIL
920839-007	FW-RM-05-SS	3/19/2002	3/21/2002	SOIL
920839-008	FW-RM-17-SS	3/19/2002	3/21/2002	SOIL
920839-009	FW-RM-07-SS	3/19/2002	3/21/2002	SOIL
920839-010	FW-RM-08-SS	3/19/2002	3/21/2002	SOIL
920839-011	FW-RM-09-SS	3/19/2002	3/21/2002	SOIL
920839-012	FW-RM-01-SS	3/19/2002	3/21/2002	SOIL
920839-013	FW-RM-04-SS	3/19/2002	3/21/2002	SOIL
920839-014	FW-RM-01-SSMS	3/19/2002	3/21/2002	SOIL
920839-015	FW-RM-03-SS	3/19/2002	3/21/2002	SOIL
920839-017	FW-RM-08-CS-2.3-4.4	3/19/2002	3/21/2002	SOIL
920839-018	FW-RM-08-CS-1-2.3	3/19/2002	3/21/2002	SOIL
920839-019	FW-RM-09-CS-1-3.5	3/19/2002	3/21/2002	SOIL
920839-020	FW-RM-09-CS-3.5-4.9	3/19/2002	3/21/2002	SOIL
920839-021	FW-RM-17-CS-0-1.5	3/19/2002	3/21/2002	SOIL
920839-022	FW-RM-RB-01	3/19/2002	3/21/2002	WATER
920839-023	FW-RM-17-CS-1.5-3.5	3/19/2002	3/21/2002	SOIL
920839-027	FW-RM-01-SSMSD	3/19/2002	3/21/2002	SOIL
920839-028	MB1920839			SOIL
920839-029	MB1920839LCS			SOIL
920839-030	MB1920839LCSD			SOIL

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METALS  
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: ROXANNA MARSH

SDG No.: 920839

Lab Code: SEM

Case No.: 920839

SAS No.: \_\_\_\_\_

SOW No.: EPA DRAFT

<u>Sample ID.</u>	<u>Lab Sample No.</u>
<u>FW-RM-15-SS</u>	<u>920839-001</u>
<u>FW-RM-10-SS</u>	<u>920839-002</u>
<u>FW-RM-12-SS</u>	<u>920839-003</u>
<u>FW-RM-16-SS</u>	<u>920839-004</u>
<u>FW-RM-02-SS</u>	<u>920839-005</u>
<u>FW-RM-06-SS</u>	<u>920839-006</u>
<u>FW-RM-05-SS</u>	<u>920839-007</u>
<u>FW-RM-17-SS</u>	<u>920839-008</u>
<u>FW-RM-07-SS</u>	<u>920839-009</u>
<u>FW-RM-08-SS</u>	<u>920839-010</u>
<u>FW-RM-09-SS</u>	<u>920839-011</u>
<u>FW-RM-01-SS</u>	<u>920839-012</u>
<u>FW-RM-04-SS</u>	<u>920839-013</u>
<u>FW-RM-01-SSMS</u>	<u>920839-014</u>
<u>FW-RM-03-SS</u>	<u>920839-015</u>
<u>FW-RM-08-CS-2.3-4.4</u>	<u>920839-017</u>
<u>FW-RM-08-CS-1-2.3</u>	<u>920839-018</u>

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YES

If yes-were raw data generated before application of background corrections?

Yes/No NO

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Karri Warnock

Name: Karri Warnock

Date: 4-25-02

Title: QA Auditor

METALS  
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: ROXANNA MARSH

SDG No.: 920839

Lab Code: SEM

Case No.: 920839

SAS No.: \_\_\_\_\_

SOW No.: EPA DRAFT

Sample ID.	Lab Sample No.
<u>FW-RM-09-CS-1-3.5</u>	<u>920839-019</u>
<u>FW-RM-09-CS-3.5-4.9</u>	<u>920839-020</u>
<u>FE-RM-17-CS-0-1.5</u>	<u>920839-021</u>
<u>FW-RM-RB-01</u>	<u>920839-022</u>
<u>FE-RM-17-CS-1.5-3.5</u>	<u>920839-023</u>
<u>FW-RM-01-SSMSD</u>	<u>920839-027</u>
<u>MB1920839</u>	<u>920839-028</u>
<u>MB1920839LCS</u>	<u>920839-029</u>
<u>MB1920839LCSD</u>	<u>920839-030</u>
<u>MB2920839</u>	<u>920839-031</u>
<u>MB2920839LCS</u>	<u>920839-032</u>
<u>MB2920839LCSD</u>	<u>920839-033</u>

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YES

If yes-were raw data generated before application of background corrections?

Yes/No NO

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Signature: Karri Warnock

Name: Karri Warnock

Date: 4-25-02

Title: QA Auditor

**EN CHEM, INC**  
**CASE NARRATIVE – SEM METALS ANALYSIS**

**Lab Report Number (SDG):** 920839

**Client:** Foster Wheeler

**Project Name:** Roxanna MArsh

**Project Number:** 1980.0208.0100

**1. RECEIPT**

The samples were received on ice.

**2. HOLDING TIMES**

- A. Sample Preparation:** All method - holding times were met.
- B. Sample Analysis:** All method - holding times were met.

**3. METHOD**

**Preparation:** EPA DRAFT

**Analysis:** EPA DRAFT

**4. PREPARATION**

Sample preparation proceeded normally.

**5. ANALYSIS**

- A. Calibration:**
  - 1. Initial verification:** All method acceptance criteria were met.
  - 2. Continuing verification:** All method acceptance criteria were met.
- B. Blanks:**
  - 1. Initial calibration:** All method acceptance criteria were met.
  - 2. Continuing calibration:** All method acceptance criteria were met
  - 3. Method:** Two blanks are analyzed for SEM with the samples: a bench method blank and the extraction blank that has gone through the AVS procedure as well. The bench method blank met all in-house acceptance criteria. The extraction blank had Arsenic, Chromium, Copper, Nickel, and Zinc detected at levels greater than the MDL but below the EQL for the extraction blank prepared 3/29/2002. The extraction blank prepared 4/2/2002 had Chromium, Copper, Lead, Nickel and Zinc at levels greater than the MDL but less than the EQL. The extraction blank for Mercury detected a concentration greater than the MDL but less than the EQL. All associated samples have been flagged with an "A" data qualifier for these parameters if the results were greater than the MDL and less than twenty times the amount of the associated extraction blank.
- C. Spikes:**
  - 1. Lab Control Spike/Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met.
  - 2. Matrix Spike / Duplicate (MS/MSD):** Sample FW-RM-01-SS was designated as the MS/MSD for this SDG. Sample FW-RM-03-CS-2.3-4.8 from SDG 920866 was designated as the batch MS/MSD for sample FW-RM-17-CS-1.5-3.5. All in-house accuracy and precision criteria were met as a post digestion MS/MSD for both QC sets.
- D. Sample Duplicates:** Not applicable.
- E. Internal Standards:** Not applicable.
- F. Interference Check Samples:** All method acceptance criteria were met.
- G. Serial Dilution:** The method acceptance criteria were met for all analytes
- H. Samples:** Sample analyses proceeded normally.
- I. Dilutions:** None required for this SDG.
- J. Reanalysis:** None required for this SDG.
- K. Comments:** None.

I certify that this data package is in compliance with the terms and conditions agreed to by **En Chem, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: Karri Warnock

Date: 4-25-07

Name: Karri Warnock

Position: Quality Assurance Auditor

**Inorganic Data Qualifiers**

- A Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- B The analyte has been detected between the method detection limit and the reporting limit.
- C Elevated detection limit due to matrix effects.
- E Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentration is greater than 50 times the IDL (100 times the IDL for analysis done on the ICP-MS). The result was flagged with the E qualifier to indicate that a physical interference was observed.
- F Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
- H(n) Preservation or analysis performed "n" days past holding time (See Sample Narrative).
- K Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
- L Elevated detection limit due to low sample volume.
- N Spiked sample recovery not within control limits.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- U The analyte was not detected above the reporting limit.
- X See sample narrative.
- & Laboratory Control Spike recovery not within control limits.
- \* Duplicate analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.
- 1 Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
- 2 Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
- 3 BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
- 4 BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
- 5 BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
- 6 BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
- 7 BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.







# En Chem, Inc. Cooler Receipt Log

Batch No. 920839

Project Name or ID Roxanna Marsh

No. of Coolers: 3

Temps: 3, 2, 3°C

A. Receipt Phase: Date cooler was opened: 3/21/02 By: RJC

- 1: Were samples received on ice? (Must be  $\leq 6$  C).....  YES NO<sup>2</sup>
- 2: Was there a Temperature Blank?.....  YES NO
- 3: Were custody seals present and intact? (Record on COC).....  YES NO
- 4: Are COC documents present?.....  YES NO<sup>2</sup>
- 5: Does this Project require quick turn around analysis?..... YES  NO
- 6: Is there any sub-work?.....  YES NO
- 7: Are there any short hold time tests?.....  YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES<sup>1</sup>  NO Contacted by/Who \_\_\_\_\_
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES<sup>1</sup>  NO Contacted by/Who \_\_\_\_\_

B. Check-in Phase: Date samples were Checked-in: 3/21/02 By: RJC

- 1: Were all sample containers listed on the COC received and intact?.....  YES  NO<sup>2</sup> NA
- 2: Sign the COC as received by En Chem. Completed.....  YES NO
- 3: Do sample labels match the COC? .....  YES NO<sup>2</sup>
- 4: Check sample pH of preserved samples. (Not VOCs) Completed.....  YES NO NA
- 5: Do samples have correct chemical preservation?.....  YES NO<sup>2</sup> NA
- 6: Are dissolved parameters field filtered?..... YES NO<sup>2</sup>  NA
- 7: Are sample volumes adequate for tests requested? .....  YES NO<sup>2</sup>
- 8: Are VOC samples free of bubbles >6mm ..... YES NO<sup>2</sup>  NA
- 9: Enter samples into logbook. Completed.....  YES NO
- 10: Place laboratory sample number on all containers and COC. Completed.....  YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed.....  YES NO NA
- 12: Start Nonconformance form. ....  YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES  NO NA
- 14: Check laboratory sample number on all containers and COC. ....  YES NO NA

**Short Hold-time tests:**

48 Hours or less Coliform (6 hrs) Hexavalent Chromium (24 Hrs) BOD Nitrite or Nitrate Low Level Mercury Ortho Phosphorus Turbidity Surfactants Sulfite En Core Preservation Color	7 days Flashpoint TSS Total Solids TDS Sulfide Free Liquids Total Volatile Solids <u>Aqueous Extractable Organics- ALL</u> Unpreserved VOC's Ash	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.
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## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-15-SS  
Lab Sample Number : 920839-001  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.129	0.772	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.397	1.25	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.204	0.836	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	3.78	1.81	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	7.51	1.48	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	6.54	0.454	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.937	0.937	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.94	1.60	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	3.2	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00721	0.871	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	62.4	1.81	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	41.9	1.44	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-10-SS  
Lab Sample Number : 920839-002  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0282	0.698	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.129	1.14	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.116	0.757	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	2.33	1.64	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	4.04	1.34	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	4.17	0.410	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.848	0.848	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.19	1.45	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.88	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00305	0.788	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	41.7	1.64	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	29.7	6.50	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-12-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-003

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.164	0.896	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	1.18	1.46	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.332	0.971	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	7.33	2.10	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	12.5	1.72	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	10.5	0.527	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	0.000235	1.09	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	2.27	1.86	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	34	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.111	1.01	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	88.5	2.10	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	54.2	1.67	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-16-SS  
Lab Sample Number : 920839-004  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0232	0.783	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.204	1.27	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.144	0.849	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	2.21	1.84	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	1.99	1.50	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	6.09	0.460	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.951	0.951	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.26	1.63	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.88	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.884	0.884	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	49.5	1.84	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	37.6	1.46	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-02-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-005

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0634	0.755	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.304	1.23	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.216	0.818	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	3.08	1.77	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	4.75	1.45	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	5.42	0.444	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.916	0.916	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.13	1.57	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.47	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00378	0.852	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	51.8	1.77	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	36.9	1.41	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-06-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-006

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0363	0.609	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.134	0.990	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.0909	0.660	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	2.67	1.43	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	3.77	1.17	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	2.88	0.358	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.740	0.740	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.893	1.26	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.83	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00356	0.688	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	35.6	1.43	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	25.1	1.13	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-05-SS  
Lab Sample Number : 920839-007  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.127	0.852	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.866	1.38	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	1.22	0.923	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	6.69	1.99	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	7.11	1.63	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	8.84	0.501	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 1.03	1.03	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.67	1.77	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	1.4	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00523	0.961	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	139	1.99	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	113	3.17	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-17-SS  
Lab Sample Number : 920839-008  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.628	0.628	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.125	1.02	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.433	0.680	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	8.45	1.47	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.651	1.20	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	27.5	0.369	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.762	0.762	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.09	1.30	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.33	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.709	0.709	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	119	2.34	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	80.3	2.34	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-07-SS  
Lab Sample Number : 920839-009  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.00849	0.593	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.104	0.964	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.103	0.643	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	3.17	1.39	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	1.94	1.14	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	2.67	0.349	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.720	0.720	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.808	1.23	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.71	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00234	0.670	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	34.2	1.39	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	25.4	1.10	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-08-SS  
Lab Sample Number : 920839-010  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0230	0.675	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0642	1.10	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.0444	0.732	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.938	1.58	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	1.11	1.29	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	1.79	0.397	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.820	0.820	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.482	1.40	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.52	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.762	0.762	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	17.5	1.58	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	13.0	1.26	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-09-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-011

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.708	0.937	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.444	1.52	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.122	1.02	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	3.39	2.20	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	13.7	1.80	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	5.32	0.551	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 1.14	1.14	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	2.27	1.95	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	21	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.0228	1.06	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	61.9	2.20	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	35.9	1.75	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-01-SS  
Lab Sample Number : 920839-012  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0316	0.996	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.346	1.62	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.181	1.08	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	8.84	2.33	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	5.29	1.91	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	6.44	2.93	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 1.21	1.21	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	2.89	2.07	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.58	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 1.12	1.12	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	82.1	2.93	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	58.1	9.28	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-04-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-013

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.106	0.424	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0793	0.689	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.0247	0.460	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.305	0.993	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	1.55	0.813	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	0.707	0.249	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.515	0.515	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.322	0.880	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	2.8	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00341	0.479	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	8.53	0.993	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	5.43	0.790	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-03-SS  
Lab Sample Number : 920839-015  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0140	0.609	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0996	0.990	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.0823	0.660	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	2.27	1.43	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	1.87	1.17	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	2.23	0.358	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.740	0.740	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.844	1.26	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.47	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.688	0.688	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	29.6	1.43	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	22.2	1.13	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-08-CS-2.3-4.4

Collection Date : 3/19/02

Lab Sample Number : 920839-017

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.308	0.308	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0156	0.501	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	< 0.334	0.334	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.0207	0.722	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.0444	0.591	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	0.0223	0.181	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.374	0.374	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.0684	0.640	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	2.5	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.348	0.348	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	0.454	0.722	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	0.277	0.574	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-08-CS-1-2.3  
Lab Sample Number : 920839-018  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.459	0.459	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0420	0.747	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.00384	0.498	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.0676	1.08	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.262	0.880	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	0.132	0.270	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	0.00137	0.558	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.255	0.953	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	2.4	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.518	0.518	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	2.27	1.08	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	1.50	0.855	umole/g	A	04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-09-CS-1-3.5

Collection Date : 3/19/02

Lab Sample Number : 920839-019

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.586	0.586	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0797	0.953	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.00230	0.636	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.0312	1.37	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.249	1.12	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	0.0907	0.345	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	0.000285	0.712	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.269	1.22	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	7.2	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.662	0.662	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	2.44	1.37	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	1.71	1.09	umole/g	A	04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-09-CS-3.5-4.9  
Lab Sample Number : 920839-020  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.408	0.408	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0244	0.663	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.00171	0.442	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.0285	0.956	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.109	0.782	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	0.0678	0.240	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	0.000252	0.496	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.0868	0.847	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	3.2	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.461	0.461	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	0.756	0.956	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	0.431	0.760	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH  
Project Number : 1980.0208.0100  
Field ID : FW-RM-17-CS-0-1.5  
Lab Sample Number : 920839-021  
Lab Project Number : 920839

Submitter : FOSTER WHEELER  
Report Date : 4/25/02  
Collection Date : 3/19/02  
Matrix Type : SOIL  
WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.590	0.590	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.201	0.959	umole/g	BA	04/10/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.353	0.639	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	6.82	1.38	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Copper - SEM	1.63	1.13	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Lead - SEM	68.0	1.73	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.716	0.716	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.958	1.22	umole/g	B	04/10/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	0.46	0.0			04/10/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.666	0.666	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	149	1.73	umole/g		04/10/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	70.5	1.10	umole/g		04/10/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

## - Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/02

Field ID : FW-RM-17-CS-1.5-3.5

Collection Date : 3/19/02

Lab Sample Number : 920839-023

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	< 0.341	0.341	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0419	0.554	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.00186	0.369	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	0.0292	0.799	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.0986	0.653	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM	0.0757	0.200	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.414	0.414	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.104	0.708	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
SEM/AVS Ratio	4.0	0.0			04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.385	0.385	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	0.801	0.799	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	0.444	0.635	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.